

PSEUDORADIAL ELECTROPHORESIS CHIP

ABSTRACT OF THE INVENTION

5 A microfabricated capillary array electrophoresis chip includes a planar
substrate having a first major surface defining converging first and second elongate
separation channels. Each separation channel extends between an associated cathode
port and anode port defined by the first major surface. The substrate further
comprises a first perimetrical edge segment extending substantially along the first
10 separation channel, and a second perimetrical edge segment extending substantially
along the second separation channel. The perimetrical edge segments of a pair of
chips of the present invention are cooperatively engageable so as to provide an
electrophoresis separation plate having pseudoradially-aligned separation channels.